

*inTime*TM



INTIME FIRE

...let's fight fire...together !!

ISO 9001:2008 CERTIFIED QUALITY SYSTEM

*inTime*TM Fire Hose Reels  EN 671-1



*inTime*TM Fire Hoses for Hose Reels   EN 694

*inTime*TM Jet Spray Shut-off Polymer Nozzle for Hose Reels



*inTime*TM Fire Hose Reels  marked (IS:884)



*inTime*TM Discharge Hose for Fire Extinguishers



*inTime*TM Hose Reel Connector





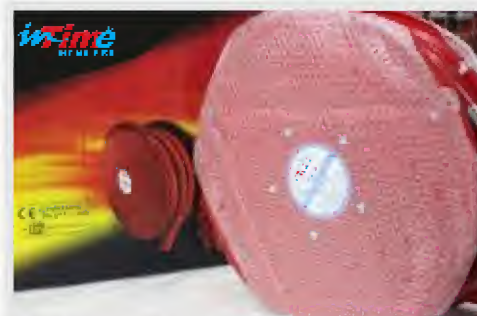
Fire Hose Reels

Fire Hose Reels  EN 671-1



New Design... !!

Fire Hose Reels  marked (IS:884)




For Technical Specifications see overleaf...

iTime™ Fire Hose Reels C E EN 671-1

Technical Specifications



Features :

- **Side Plates** Made of high quality mild steel, powder coated in Red colour.
- **Side Plates O.D. (Diameter)** 560 mm
- **Distance Between Side Plates** 6 Inches
- **Waterways** Made from non-ferrous metal (Aluminum Alloy) for making it corrosion-free, duly powder coated.
- **Hose Reel Drum** Confirming to EN 671-1:2001
- **Fire Hose** High quality semi-rigid  marked (Type I & Type 2) / CE marked / EN approved, flame resistant, kink & abrasion resistant, fluted finish MITRAS Thermoplastic Hose with 2 years Guarantee.
- **Hose Colours Available** Red / Black / Yellow
- **Hose Nominal Bore (ID)** 19mm / 20mm / 25mm, as per requirement.
- **Hose Length** 20 / 25 / 30 / 36 / 40 mtrs, as per requirement.
- **Shut-off Nozzle** Rotary operated, leak proof, CE marked/EN approved, hydraulically crimped with corrosion-free Stainless Steel fitting, shut-off nozzle with shut, spray & jet functions, made of super tough Polymer Alloy in red colour.
- **Swivel** 180° double swivel
- **Working Pressure** 1.2 Mpa (12 Bar)

Note : Due to technical up gradation, design and specification may be changed without prior notice.

iTime™ Fire Hose Reels marked (IS:884)



Features :

Type : Swinging 180° Wall Mounting
Size : Inlet 20mm (3/4" BSP Thread Size)
Confirming Specification : IS 884

Material of Construction :


- Hub Sides & Wall Bracket - M.S. Sheet of IS:513
- Swivel Joint - LTB-2 of IS:318
- Pipe with Fitting - Steel of IS:1239 Part I
- Branch Pipe with Nozzle - IS:8090
- Hose Reel Tubing - Thermoplastic Hose confirming to IS:12585

Performance Test :

- **Hydrostatic Test : Test at 21Kg/cm²**
- **Range & Water Flow rate test at 7 Kg/cm²**
 (A) Discharge : 24LPM
 (B) Range (Jet Length) : 6 mtr (min)


inTime™ Hose Reel Connector



- Connects Fire Hose Reel to Main Line
-  (IS:12585) marked 25mm Type-2 Hose used
- Hydraulically fitted with Steel / Aluminum fittings
- Easy to fit
- Leak-proof
- Aesthetically appealing
- Colour Available - Red / Black / Yellow

inTime™ Jet Spray Shut-off Polymer Nozzle for Hose Reels





-  marked (confirming to EN 671-1)
- Patent Design No. 244452
- Super-tough recyclable Polymer Alloy used
- Leak proof
- Corrosion Free
- Rotary Operated
- Stronger Grips
- Appealing Looks in Red colour
- 2 Years Guarantee
- Also available hydraulically fitted on hose with Stainless Steel fitting



inTime™ Discharge Hose for Fire Extinguishers





- Complete Discharge Hose Assembly with  marked / non-ISI Hose
- Only Hose (12.5mm & 10mm ID)  marked / Non-ISI also available
- Double colour Hose available
- W.P. 20 Kg/cm², B.P. 60 Kg/cm²
- Hydraulically crimped - using Aluminum caps
- Fitted with unbreakable Red Nozzle made of super-tough Polymer Alloy

When you are fighting FIRE... and your FIRE HOSE does not work...
NOTHING works... !!

Choose the best... **inTime™**
INTIME FIRE



-  (IS:12585) /  marked as per EN 694
- 2 Years Guarantee
- Better pressure sustainability & appealing looks
- Available in 19mm / 20mm / 25mm
31.5mm / 38mm ID sizes
- Non-corrosive, Light weight,
Recyclable Thermoplastic material
- Flame resistant, Abrasion & Kink resistant



We specialize in  marked (IS:12585) **inTime™** THERMOPLASTIC FIRE HOSES for Hose Reels & Fire Extinguishers. The Bureau of Indian Standards (BIS) has made it compulsory to use  marked Hose for **First Aid Hose Reel for Fire Fighting** under **IS:884:1985**. Our Thermoplastic hose is **better than Rubber hose** for Fire Hose application, as given under :

inTime™ Thermoplastic Hose vs. Rubber Hose

Comparative Analysis

| Criteria | Thermoplastic Hose | Rubber Hose |
|---------------------------------------|--|---|
| Durability | <ul style="list-style-type: none"> • Non-biodegradable • Non-corrosive • Does not get cracked • Chemically stable • Very durable • Does not de-polymerize • Longer shelf life | <ul style="list-style-type: none"> • Degrades due to fillers • Corrodes with time • Gets cracked with the passage of time • Less chemically stable • Less Durable • Deteriorates with time • Lesser shelf life |
| Flame Resistance | <ul style="list-style-type: none"> • Flame resistant, Self extinguishing | <ul style="list-style-type: none"> • Rubber is not flame resistant |
| Weight | <ul style="list-style-type: none"> • Lighter in weight | <ul style="list-style-type: none"> • Excessive weight |
| Pressure | <ul style="list-style-type: none"> • Better pressure sustainability | <ul style="list-style-type: none"> • Lesser pressure sustainability |
| Aesthetics | <ul style="list-style-type: none"> • Smooth surface finish • Looks much better | <ul style="list-style-type: none"> • Rough surface finish • Aesthetically not appealing |
| Abrasion & Kink Resistance | <ul style="list-style-type: none"> • Fluted finish for abrasion & kink resistance and stronger grip | <ul style="list-style-type: none"> • Fluted finish not available in rubber hoses |
| Re-cyclability | <ul style="list-style-type: none"> • Recyclable, being thermoplastic, so comparatively eco-friendly | <ul style="list-style-type: none"> • Not recyclable, so not eco-friendly comparatively |
| Value for Money | <ul style="list-style-type: none"> • Even after superior quality & so many benefits, Economical too | <ul style="list-style-type: none"> • Even inferior quality does not make it economical |
| Guarantee | <ul style="list-style-type: none"> • 2 Years Guarantee | <ul style="list-style-type: none"> • No Guarantee or 1 year Warranty |

Technical Specifications

- **Material : Thermoplastic Hybrid Compound**
- **Reinforcement : High Quality Synthetic Braided yarn.**
- **Adhesion between Lining & Covers :** At least 1.4 kN/m, in accordance with IS:3400 (Part-24):2001/ISO 8033:1991
- **Bend Radius :** Can work at a radius of 5 times to the nominal bore size, as specified in IS:12656:1989
- **Workability :** Can work at high pressures as **lab tested on calibrated machines**
- **Working Temperature :** It can work at up to 55°C atmospheric temperature **without kinking, melting or and sign of collapse**
- **Fire retarding properties :** Our **Thermoplastic Hybrid Compound** has inherently superior fire retarding properties due to its Chlorine content. Its ignition temperature is as high as 455°C, and is a **material with less risk for fire incidents** since it is **not ignited easily**. It is a **self extinguishing material** and does not continue to burn. Furthermore, the **heat released in is burning is considerably lower** than other materials of similar use. It, therefore, contributes much less to spreading fire to nearby materials even while burning. Hence, our **Thermoplastic Hybrid Compound is very suitable for safety reasons in products close to people's daily lives.**
- **Fluted Finish :** We provide fluted finish on our hoses for making them **abrasion resistant while being dragged** on the floor. This fluted finish also provides stronger grip while holding with wet hands or otherwise. It also makes it **kink resistant** due to long **grooves** on its surface, which provide **twist & bend resistance**. Optionally, Plain finish is also available.



| Physical & Mechanical Properties | | | Size & Pressures | | | |
|----------------------------------|---|---|--------------------------------------|--------|-------------------------|-------------------------|
| Density | : | 1.30 - 1.38 g/cm ² | ID (Nominal Bore) | Type | Working Pressure | Bursting Pressure |
| Tensile Strength | : | 2.60 N/mm ² | | | | |
| Notched Impact Strength | : | 2.0 - 45 Kj/m ² | 20mm (¾") | Type-1 | 6.2 Kg/cm ² | 19.5 Kg/cm ² |
| Yield Strength | : | 10 - 25 MPa | 20mm (¾") | Type-2 | 7.2 Kg/cm ² | 21.5 Kg/cm ² |
| Thermal Conductivity | : | 0.14 - 0.17 W/(m.k) | | | 10.2 Kg/cm ² | 32.5 Kg/cm ² |
| Thermal Coefficient of Expansion | : | 80 x 10-6 | | | 15 Kg/cm ² | 45 Kg/cm ² |
| Resistivity | : | 10 ¹² - 10 ¹⁵ Ω m | 25mm (¾") | Type-1 | 20 Kg/cm ² | 60 Kg/cm ² |
| Melting Point | : | approx. 360°F = 182 °C | | | 6.2 Kg/cm ² | 19.5 Kg/cm ² |
| Resistance to Chemicals | | | | | 7.2 Kg/cm ² | 21.5 Kg/cm ² |
| Dilute Acids | : | Very Good | 25mm (¾") | Type-1 | 6.2 Kg/cm ² | 19.5 Kg/cm ² |
| Dilute Alkalies | : | Very Good | 25mm (1") | Type-2 | 7.2 Kg/cm ² | 21.5 Kg/cm ² |
| Oils & Greases | : | Good (Variable) | | | 10.2 Kg/cm ² | 32.5 Kg/cm ² |
| Aliphatic Hydrocarbons | : | Very Good | 12.5mm (½") | Type-2 | 20 Kg/cm ² | 60 Kg/cm ² |
| Halogenated Hydrocarbons | : | Moderate (Variable) | Note : Colour - Black / Red / Yellow | | | |
| Alcohols | : | Good (Variable) | | | | |

Note : Colour - Black / Red / Yellow